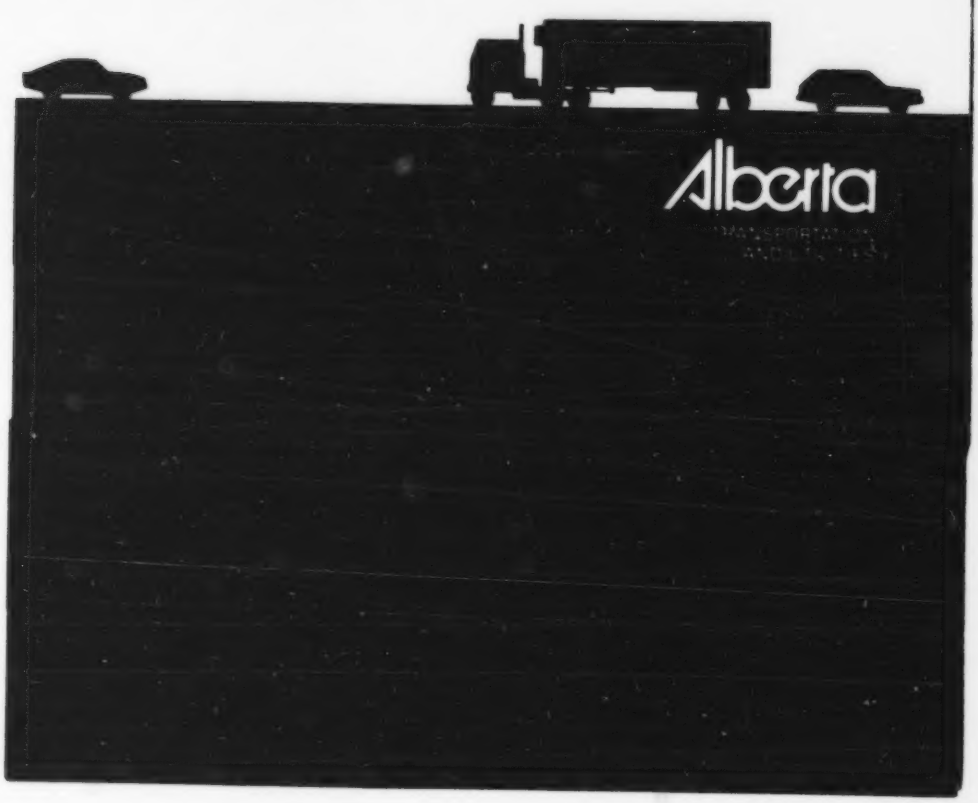
ALBERTA TRAFFIC COLLISION FACTS 1987



What happened on Alberta's roadways in 1987?

DURING 1987

510 people were killed as a result of traffic collisions.

19,809 people were injured in traffic collisions.

A total of 97,493 collisions occurred.

EVERY DAY IN 1987 . . .

At least one life was lost in a traffic collision.

54 people were injured.

Approximately 267 traffic collisions were reported.

LOOKING BACK . . .

Fatality rates have decreased over the past year.

Injury rates have decreased over the past year.

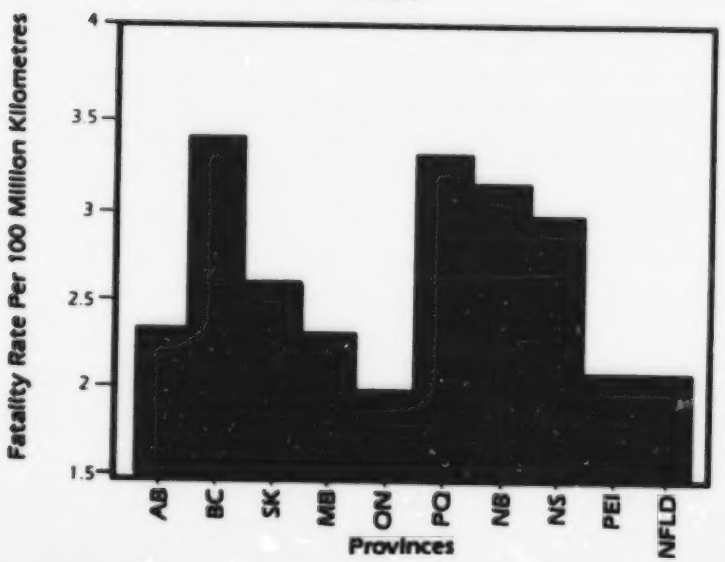
Property damage collision rates have increased over the past year.

ALBERTA TRAFFIC COLLISIONS 1983-1987

Severity of Collision	1987	1986	1985	1984	1983
Fatal Collisions	**425**	430	432	401	370
Non-Fatal Injury Collisions	**13088**	14383	12733	12100	12966
Property Damage Only Collisions	**83980**	82372	85224	76498	81871
TOTAL Reportable Collisions	**97493**	97185	98389	88999	95207
Number Killed	**510**	523	533	470	428
Number Injured	**19809**	22148	19855	18955	19237
TOTAL Number of Casualties	**20319**	22671	20388	19425	19665

How does Alberta compare to other provinces?

PROVINCIAL TRAFFIC FATALITY RATES 1987



Who were the victims?

TRAFFIC FATALITIES

254 Drivers (49.8)
146 Passengers (28.6)
59 Pedestrians (11.6)
30 Motorcyclists (5.9)
9 Bicyclists (1.8)
12 Other Road User Class/ Unspecified (2.4)

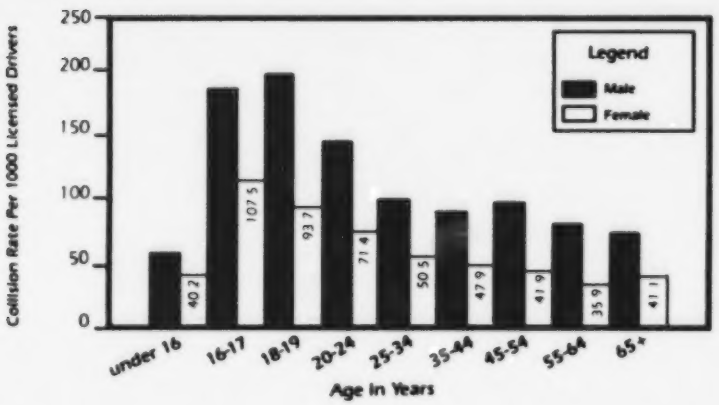
TRAFFIC INJURIES

10,371 Drivers (52.4)
6,471 Passengers (32.7)
1,175 Pedestrians (5.9)
952 Motorcyclists (4.8)
743 Bicyclists (3.8)
97 Other Road User Class/ Unspecified (0.5)

Who were the drivers involved?

AGE AND SEX OF DRIVERS INVOLVED IN ALL COLLISIONS 1987

Collision Rate Per 1000 Licensed Drivers



Where did the collisions occur?

Approximately four-fifths of all collisions occurred in urban areas. Fatal collisions were more frequent in rural areas.

URBAN

0.2% fatal collisions
11.5% injury collisions
88.3% property damage only collisions

RURAL

1.7% fatal collisions
21.4% injury collisions
76.9% property damage only collisions

When did the collisions occur?

May, June and August recorded the highest number of fatal and injury collisions. However, the highest number of property damage only collisions occurred

Friday was the most collision-prone day of the week. The afternoon rush-hour period accounted for the highest number of crashes

Edmonton, Alberta T6B 2X3

Special Road User Classes

PEDESTRIANS

Based on population, pedestrians between the ages of 5 and 19 were most likely to be involved in a crash. Pedestrian casualty collisions were most likely to occur during the evening rush-hour period.

MOTORCYCLES

The majority of motorcycle collisions involved male drivers under the age of 25. Compared to other drivers, motorcyclists were more likely to drive at an unsafe speed, and to have consumed alcohol before the crash. Abnormal road conditions (i.e. wet, loose material, snow/ice) played a role in 12.2% of motorcycle casualty crashes.

TRACTOR-TRAILERS

In 1987 there were 63 persons killed and 529 injured in collisions involving tractor-trailers. Compared to drivers of other vehicles, tractor-trailer drivers were more likely to run off the road, but less likely to have consumed alcohol before the crash.

TRAINS

In 1987, 4 people were killed and 42 people were injured in crashes in which a train was involved.

BICYCLES

The majority of bicycle casualty crashes involved young people, 10-19 years of age. Compared to other drivers, bicyclists were more likely to fail to yield the right-of-way or fail to observe a traffic control device.

What about drinking and driving?

Of all drivers involved in fatal collisions 26.6% had consumed alcohol before the crash. Of all drivers involved in injury collisions 12.2% had consumed alcohol before the crash. The majority of drinking drivers were males under the age of 30. Alcohol related crashes were most likely to occur during the months of May, August and October, on the weekends and during the late evening hours.

What about seat belts?

RESTRAINT NOT USED: AGE OF OCCUPANT CASUALTIES 1987